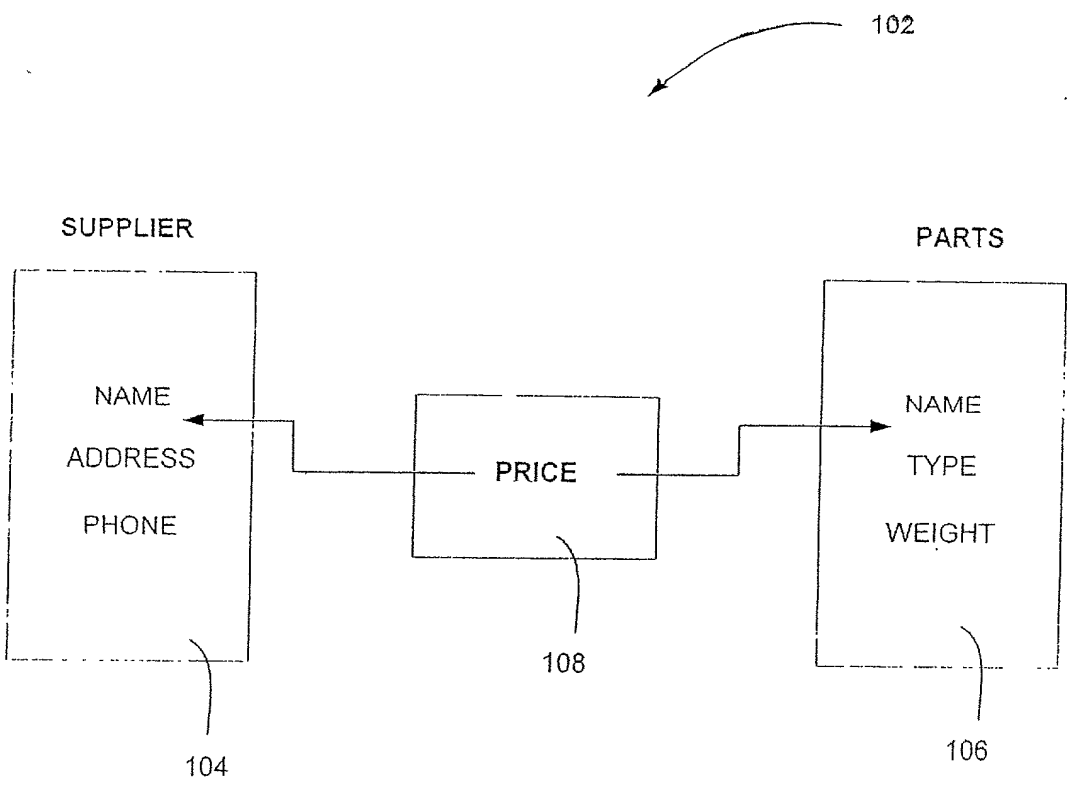
102
SUPPLIER
NAME
ADDRESS
PHONE
104
PRICE
108
PARTS
NAME
TYPE
WEIGHT
106

FIG. 1

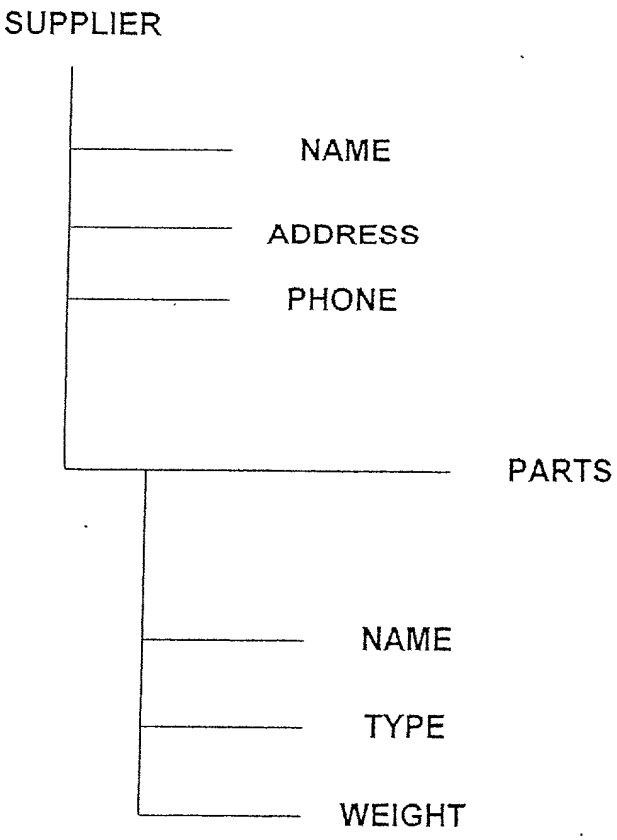

FIG. 2

Doc#5084124v1

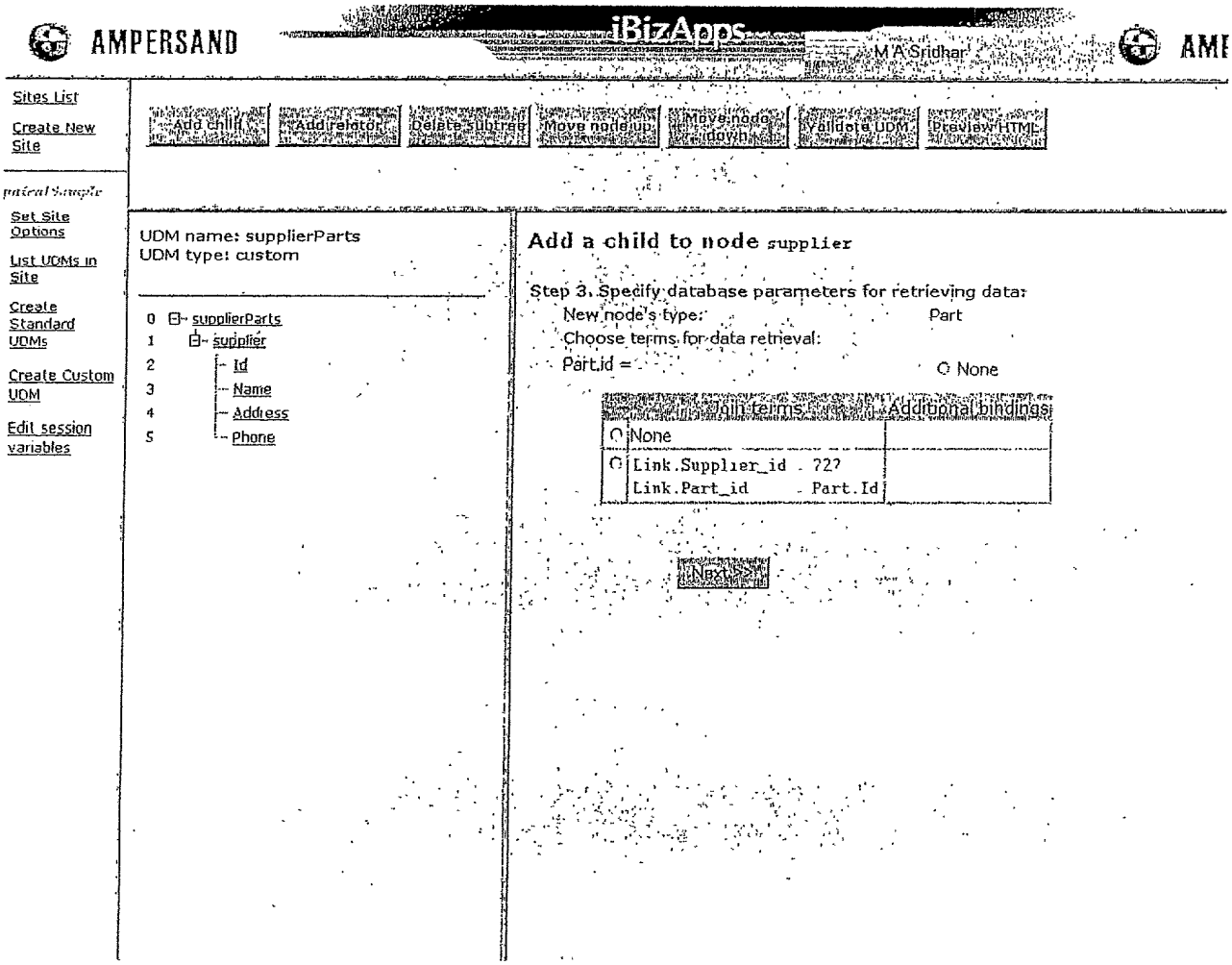
AMPERSAND
iBizApps
M A Sridhar
AMI
Sites List
Create New Site
Set Site Options
List UDMs in Site
Create Standard UDMs
Create Custom UDM
Edit session variables
Add child
Add relator
Delete subtree
Move node up
Move node down
Validate UDM
Preview HTML
UDM name: supplierParts
UDM type: custom
0 supplierParts
1 supplier
2 Id
3 Name
4 Address
5 Phone
Add a child to node supplier
Step 3. Specify database parameters for retrieving data:
New node's type: Part
Choose terms for data retrieval:
Part.id = O None
Join terms
Additional bindings
O None
O Link.Supplier_id = ??
Link.Part_id = Part.Id
Next >>

Fig. 3

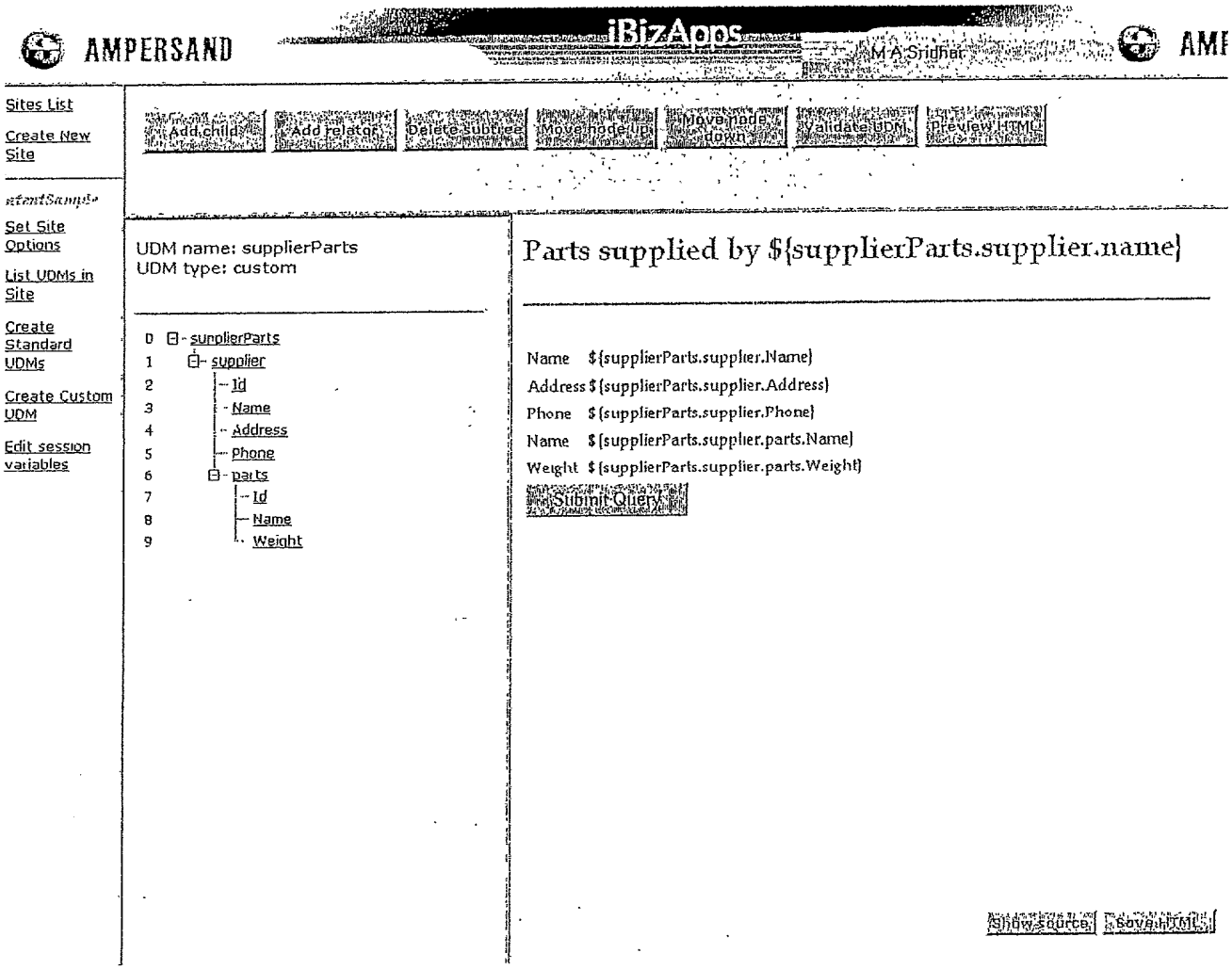
AMPERSAND
iBizApps
M A Sridhar
Sites List
Create New Site
Set Site Options
List UDMs in Site
Create Standard UDMs
Create Custom UDM
Edit session variables
Add child
Add relator
Delete subtree
Move node up
Move node down
Validate UDM
Preview HTML
UDM name: supplierParts
UDM type: custom
0 supplierParts
1 supplier
2 Id
3 Name
4 Address
5 Phone
6 parts
7 Id
8 Name
9 Weight
Parts supplied by ${supplierParts.supplier.name}
Name ${supplierParts.supplier.Name}
Address ${supplierParts.supplier.Address}
Phone ${supplierParts.supplier.Phone}
Name ${supplierParts.supplier.parts.Name}
Weight ${supplierParts.supplier.parts.Weight}
Submit Query
Show source
Save.html

Fig. 4

2004/234,708 2004/234,708

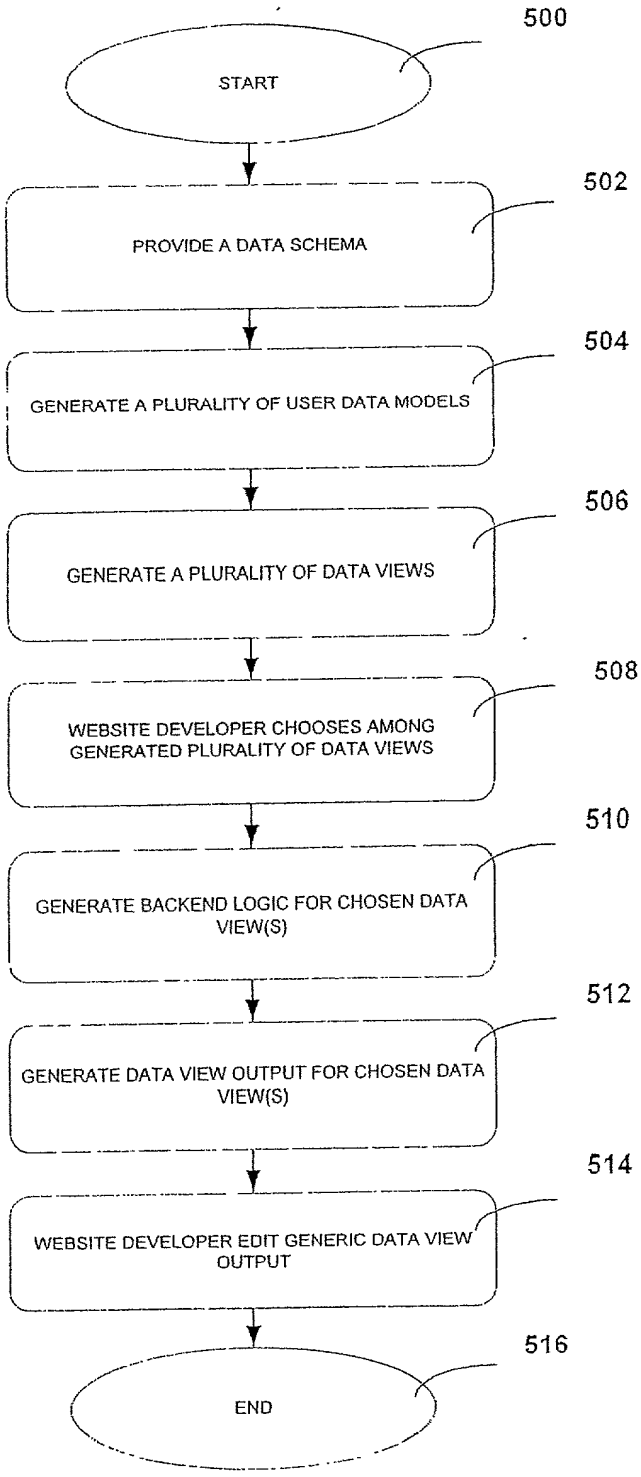

FIG. 5

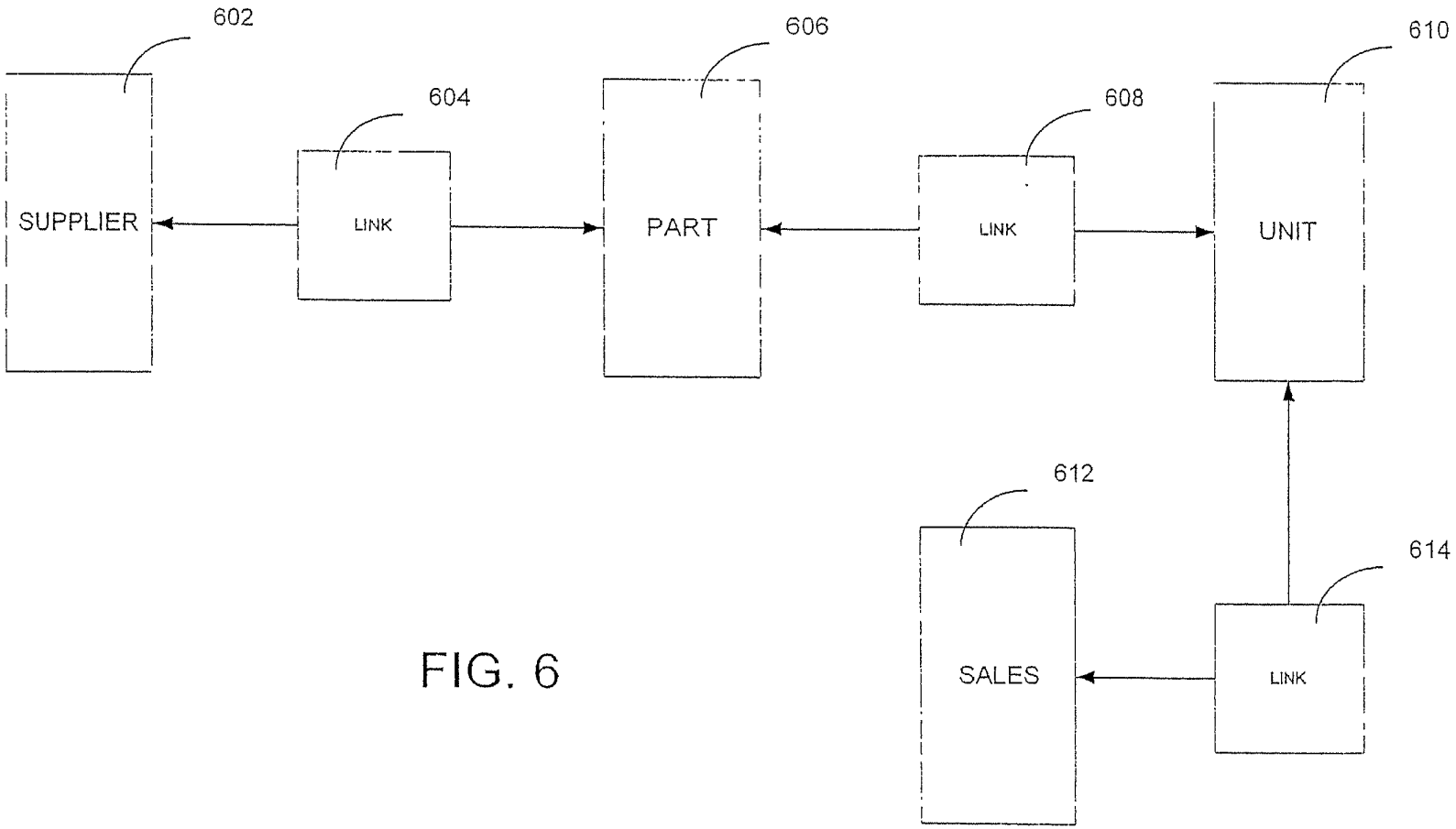
602
SUPPLIER
604
LINK
606
PART
608
LINK
610
UNIT
612
SALES
614
LINK

FIG. 6

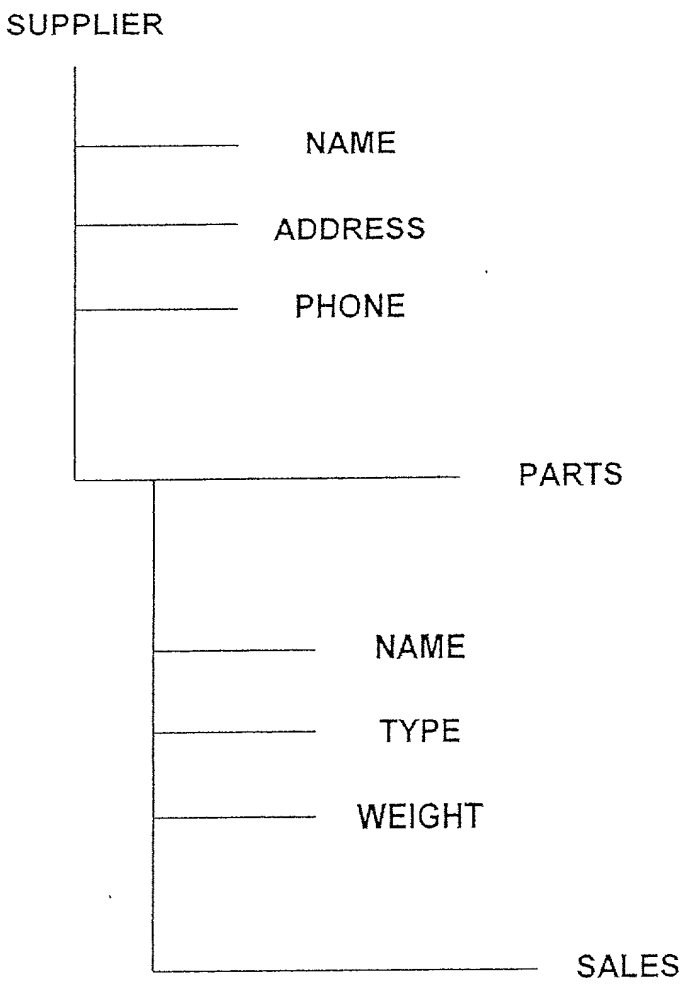

FIG. 7

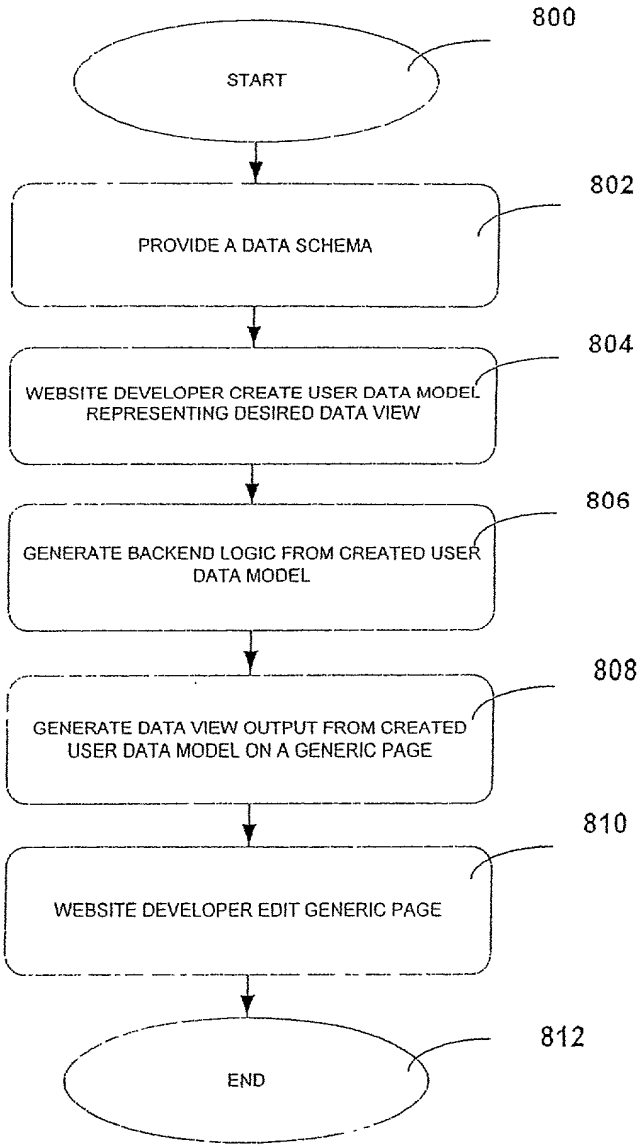
800
START
802
PROVIDE A DATA SCHEMA
804
WEBSITE DEVELOPER CREATE USER DATA MODEL REPRESENTING DESIRED DATA VIEW
806
GENERATE BACKEND LOGIC FROM CREATED USER DATA MODEL
808
GENERATE DATA VIEW OUTPUT FROM CREATED USER DATA MODEL ON A GENERIC PAGE
810
WEBSITE DEVELOPER EDIT GENERIC PAGE
812
END

FIG. 8

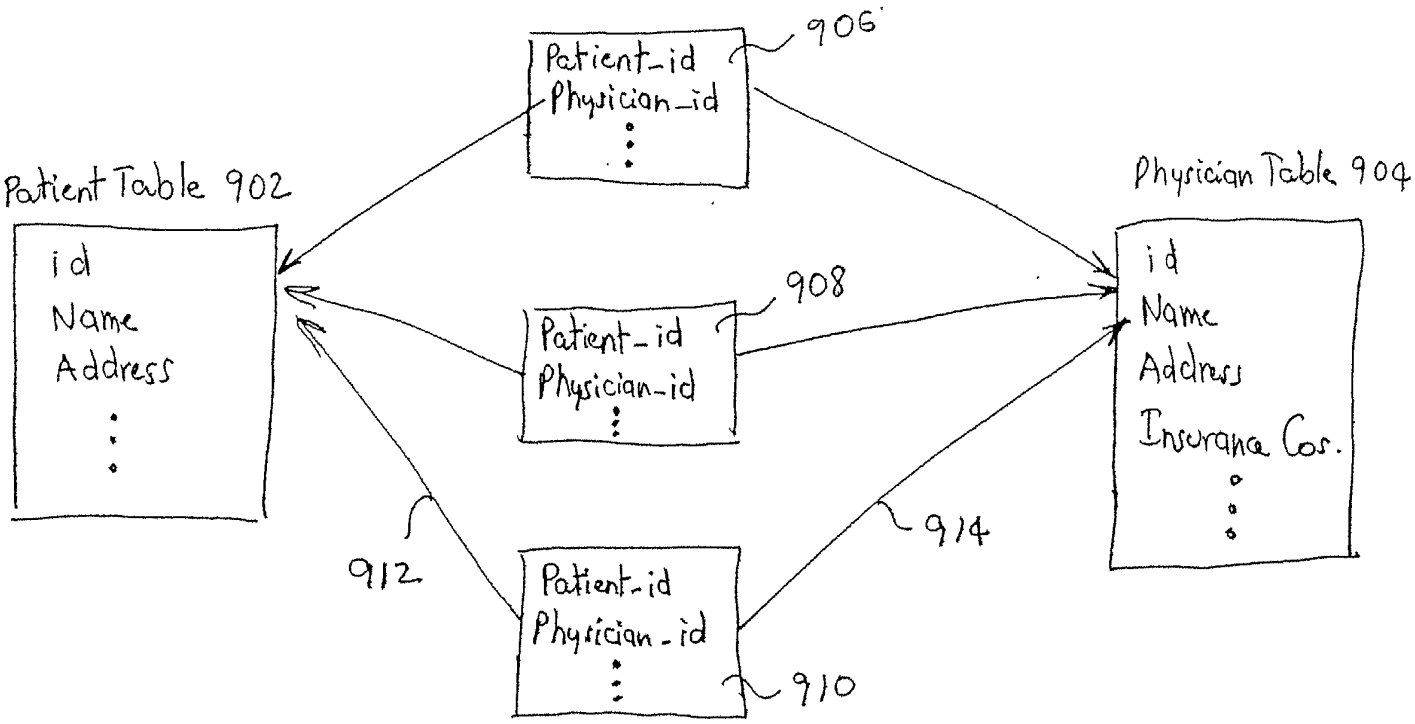
Patient_id
Physician_id
906
Patient Table 902
id
Name
Address
Physician Table 904
id
Name
Address
Insurance Cos.
908
Patient_id
Physician_id
912
914
Patient_id
Physician_id
910

Fig. 9

RECORD ID	NAME	ADDRESS	CITY	STATE
15	ACME TECHNOLOGIES	123 SPRING ST	RENO	NV
21	PAPER-R-US	17 TECHNOLOGY DR.	SAN JOSE	CA

1012

1000

1020

1002 1004 1006

ID	SUPPLIER_ID	PART_ID
1	15	7
2	15	3
3	21	14

1014

1016

RECORD ID	NAME	TYPE	DESCRIPTION
3	SHOE POLISH	PERSONAL SUPPLIES	BLACK
7	TOOTH PASTE	RESALE	FLOURIDE ENHANCED
14	PAPER CLIP	OFFICE SUPPLIES	PLASTIC SIZE 4

1022

FIG. 10

Docket: TD6276DOE

EDGE-T06-2004

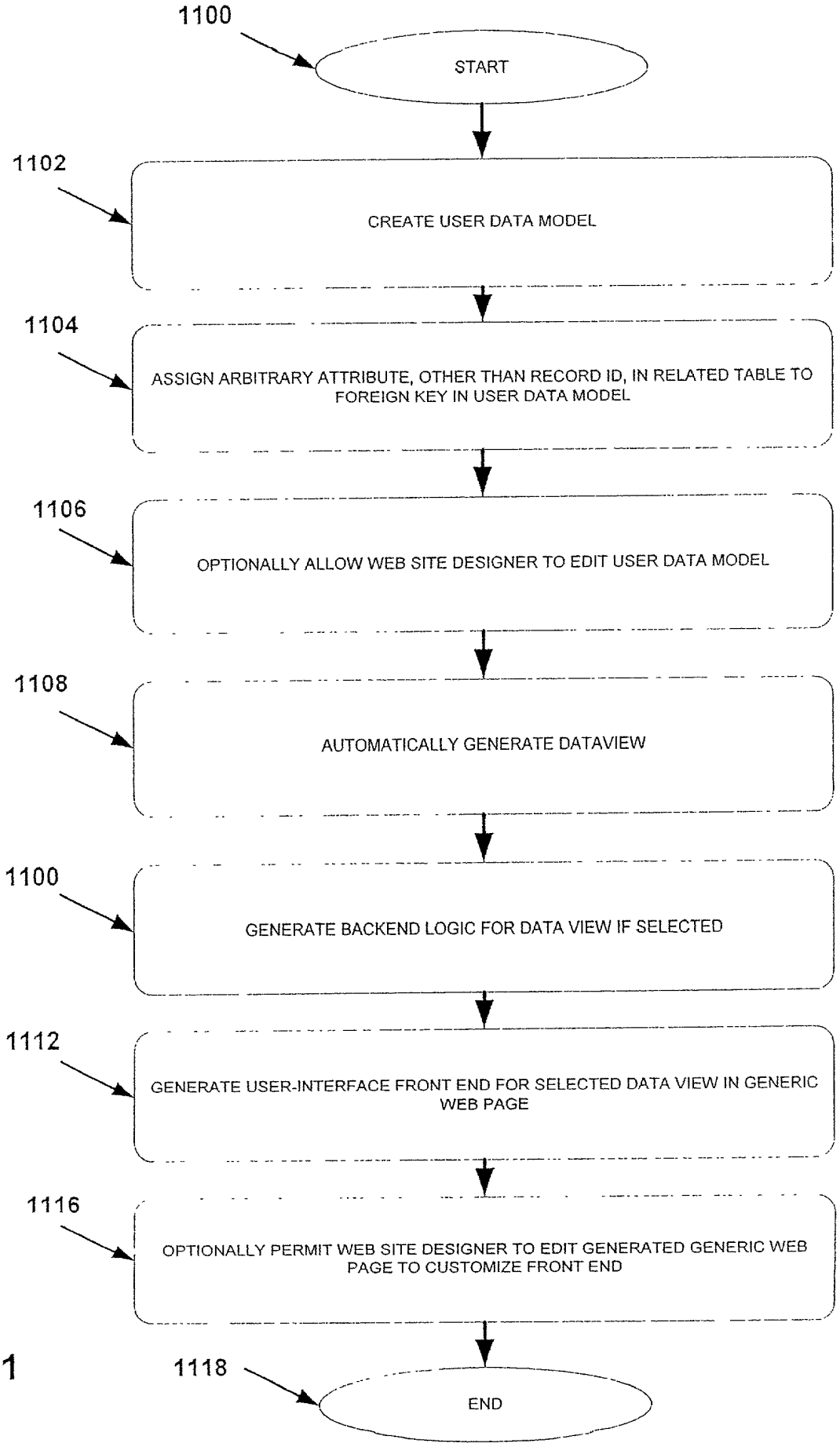

FIG. 11

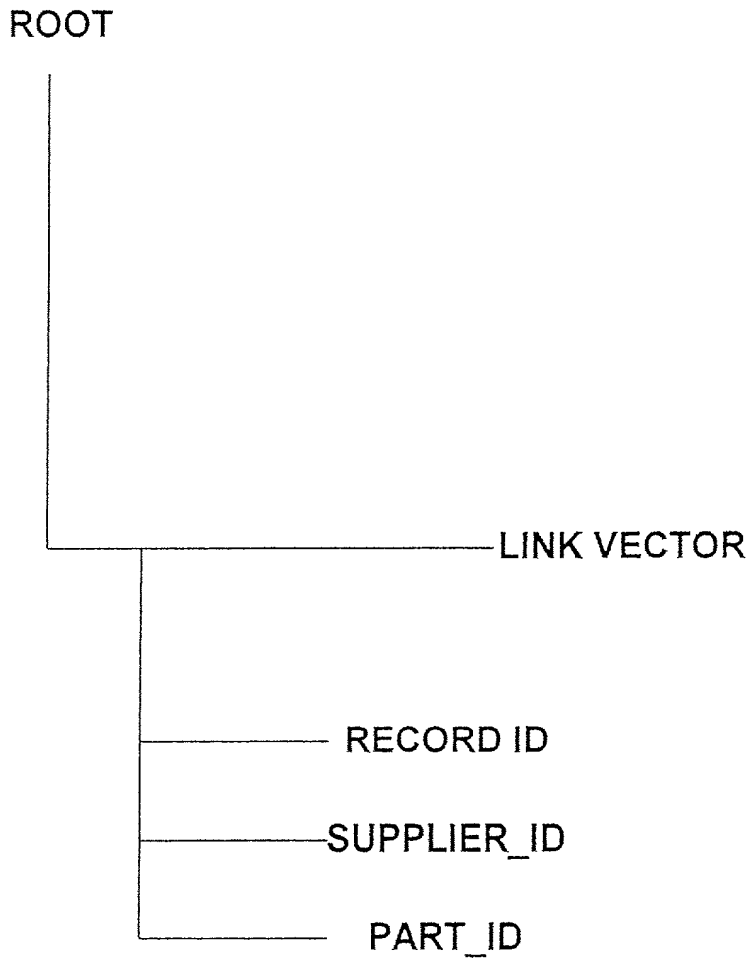

FIG. 12

RECORD ID	SUPPLIER ID	PART ID
1	ACME TECHNOLOGIES	TOOTH PASTE
2	ACME TECHNOLOGIES	SHOE POLISH
3	PAPER-R-US	PAPER CLIP

FIG. 13

RECORD ID	NAME	ADDRESS	CITY	STATE	Supplier-Part ID
15	ACME TECHNOLOGIES	123 SPRING ST	RENO	NV	2
21	PAPER-R-US	17 TECHNOLOGY DR	SAN JOSE	CA	1

1014

1016

RECORD ID	NAME	TYPE	DESCRIPTION	Supplier-Part ID
3	SHOE POLISH	PERSONAL SUPPLIES	BLACK	1
7	TOOTH PASTE	RESALE	FLOURIDE ENHANCED	1
14	PAPER CLIP	OFFICE SUPPLIES	PLASTIC SIZE 4	1

1012

1000

1020

1002 1004 1006

ID	SUPPLIER_ID	PART_ID
1	15	7
2	15	3
3	21	14

1022

FIG. 14

RECORD ID	NAME	ADDRESS	CITY	STATE	Supplier-Part ID	Supplier-Invoice ID
15	ACME TECHNOLOGIES	123 SPRING ST	RENO	NV	2	5
21	PAPER-R-US	17 TECHNOLOGY DR.	SAN JOSE	CA	1	3

FIG. 15

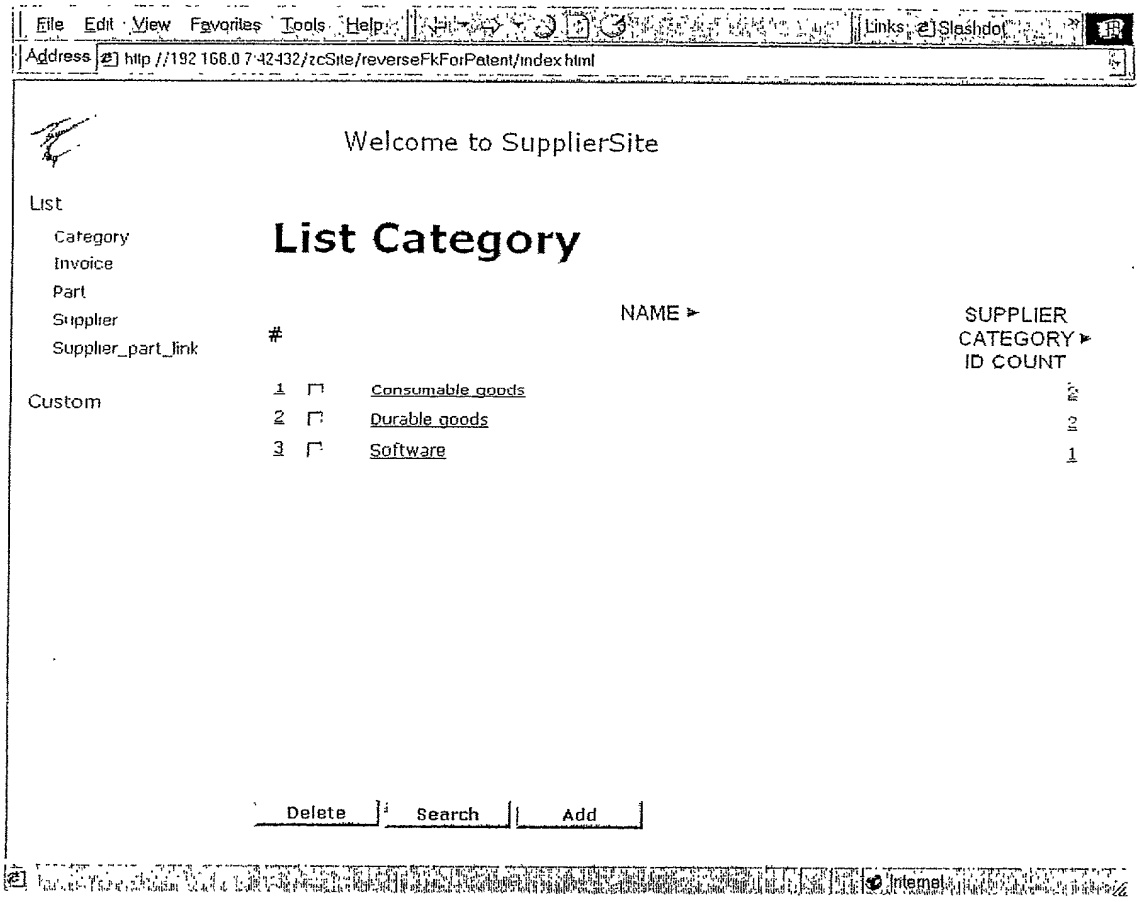
File Edit View Favorites Tools Help
Links Slashdot
Address http://192.168.0.7:42432/zcSite/reverseFkForPatent/index.html
Welcome to SupplierSite
List
Category
Invoice
Part
Supplier
Supplier_part_link
Custom
List Category
#
NAME
SUPPLIER CATEGORY ID
COUNT
1 Consumable goods
2 Durable goods
3 Software
1
Delete
Search
Add
Internet

Fig. 16A

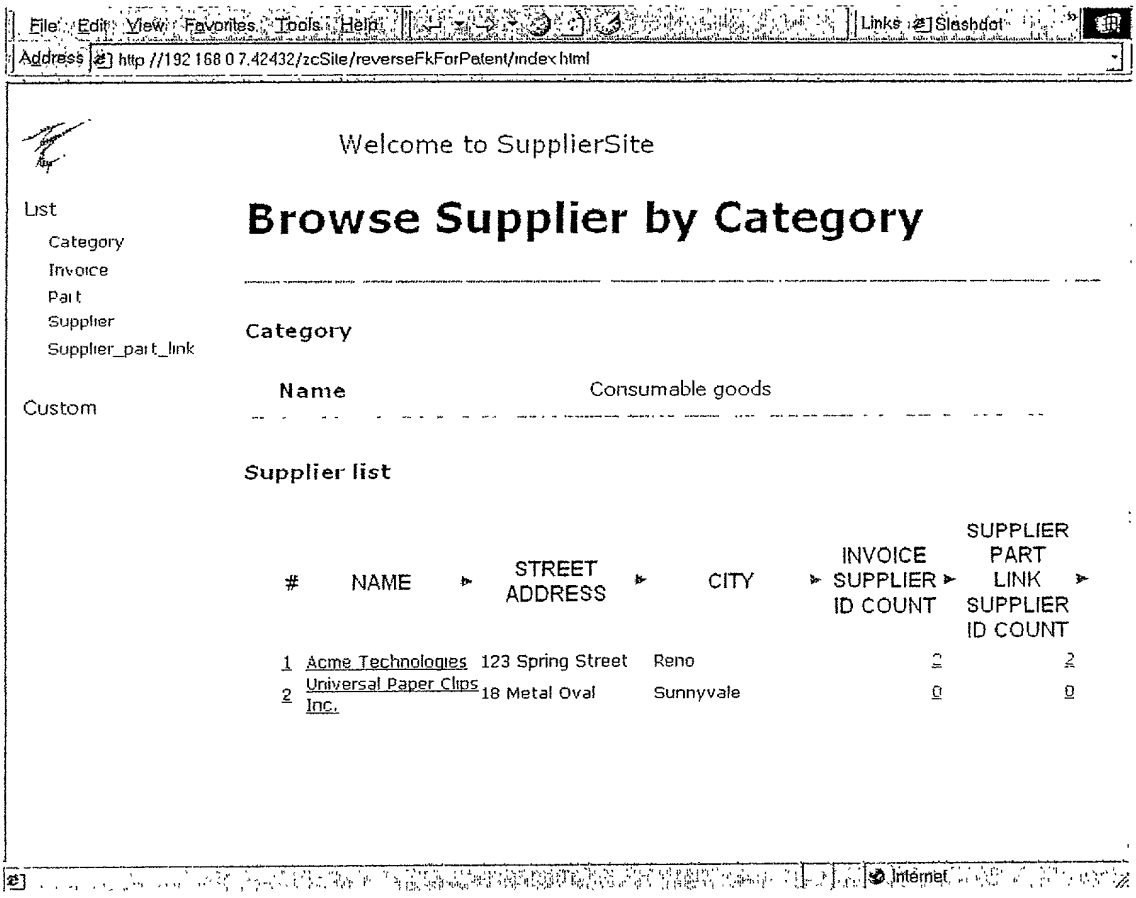
File Edit View Favorites Tools Help
Links Slashdot
Address http://192.168.0.7:42432/zcSite/reverseFkForPatent/index.html
Welcome to SupplierSite
List
Category
Invoice
Part
Supplier
Supplier_part_link
Custom
Browse Supplier by Category
Category
Name
Consumable goods
Supplier list
NAME STREET ADDRESS CITY INVOICE SUPPLIER ID COUNT SUPPLIER PART LINK SUPPLIER ID COUNT
1 Acme Technologies 123 Spring Street Reno 2 2
2 Universal Paper Clips Inc. 18 Metal Oval Sunnyvale 0 0
Internet

Fig. 16B

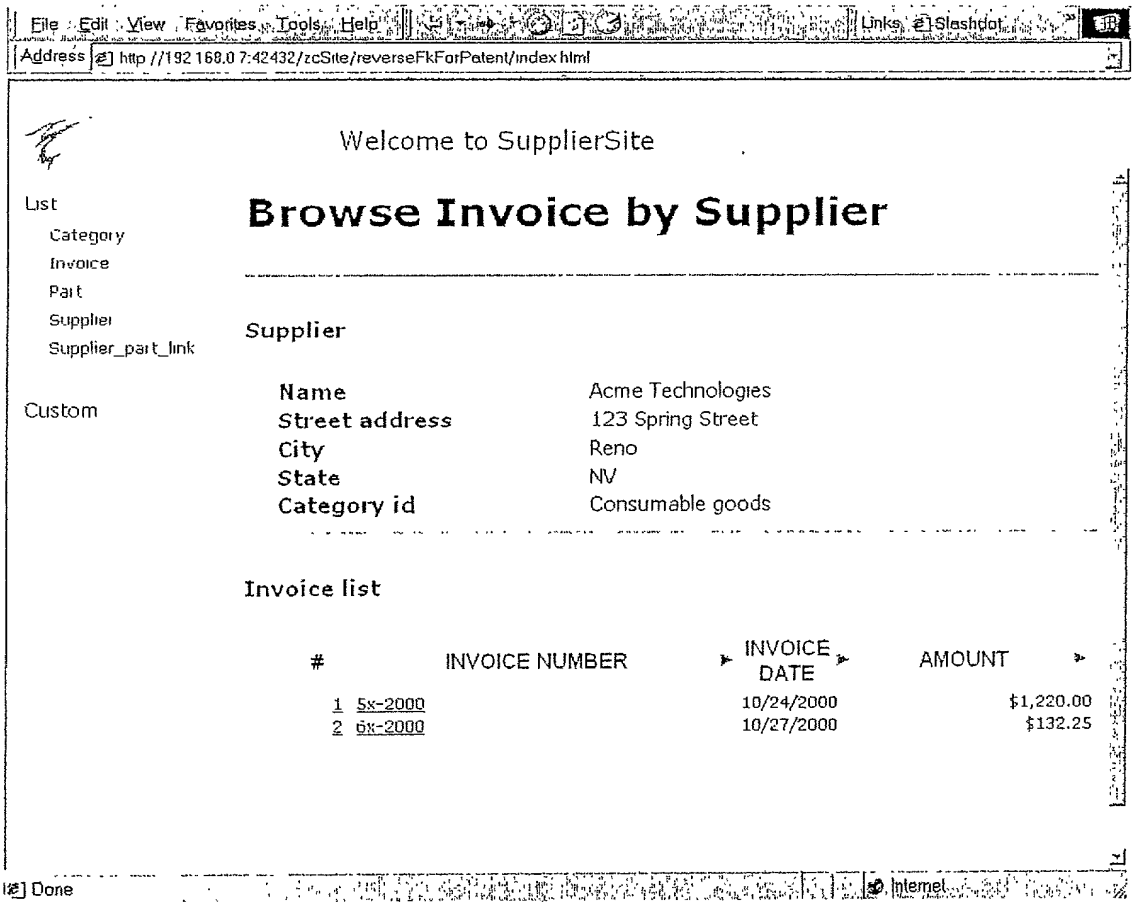
File Edit View Favorites Tools Help
Links Slashdot
Address http://192.168.0.7:42432/zcSite/reverseFkForPatent/index.html
Welcome to SupplierSite
List
Category
Invoice
Part
Supplier
Supplier_part_link
Custom
Browse Invoice by Supplier
Supplier
Name Acme Technologies
Street address 123 Spring Street
City Reno
State NV
Category id Consumable goods
Invoice list
INVOICE NUMBER INVOICE DATE AMOUNT
1 5x-2000 10/24/2000 $1,220.00
2 6x-2000 10/27/2000 $132.25
Done
Internet

Fig. 16C

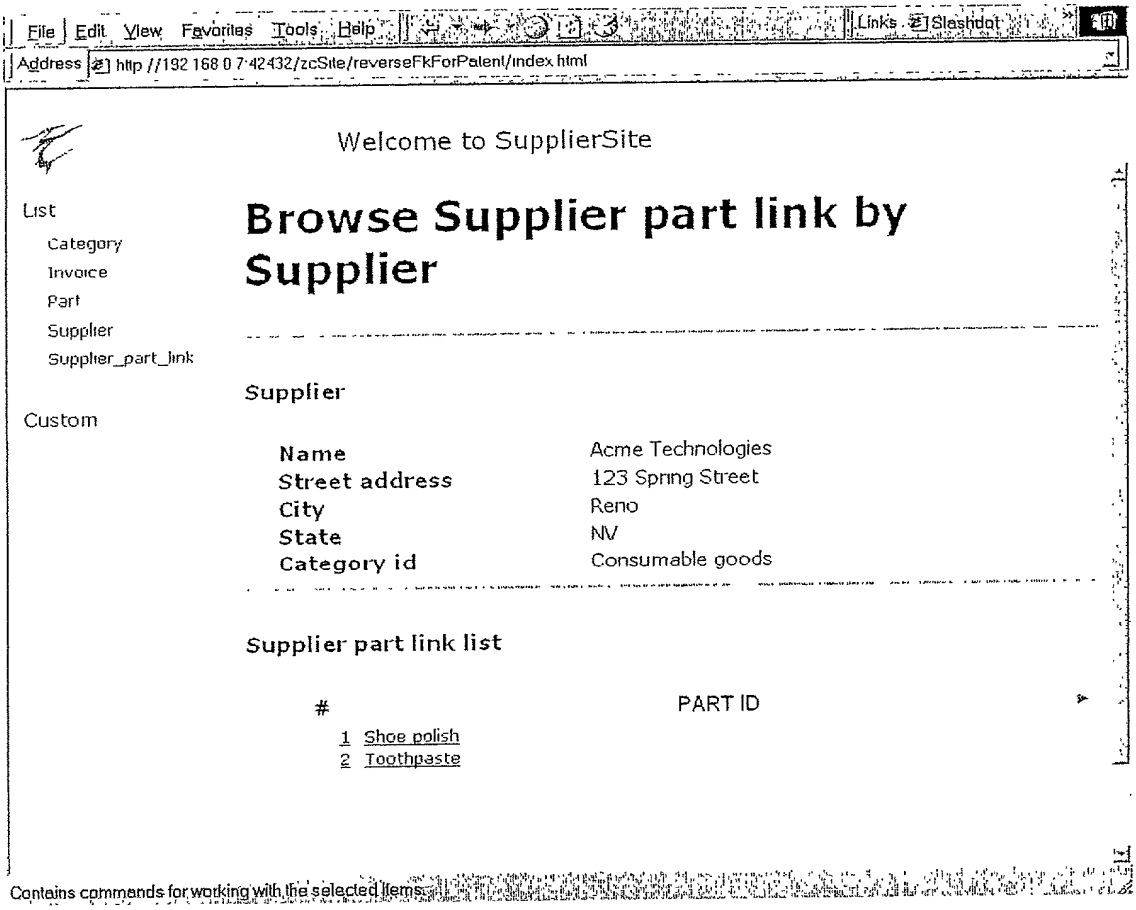
File Edit View Favorites Tools Help
Links Slashdot
Address http://192.168.0.7:42432/zcSite/reverseFkForParent/index.html
Welcome to SupplierSite
List
Category
Invoice
Part
Supplier
Supplier_part_link
Custom
Browse Supplier part link by Supplier
Supplier
Name Acme Technologies
Street address 123 Spring Street
City Reno
State NV
Category id Consumable goods
Supplier part link list
PART ID
1 Shoe polish
2 Toothpaste
Contains commands for working with the selected items.

Fig. 16D

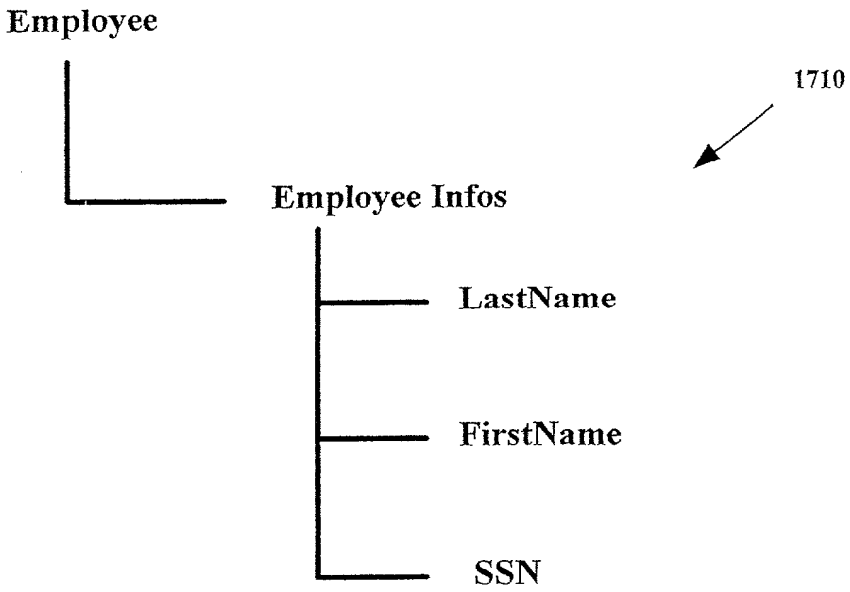

Fig. 17

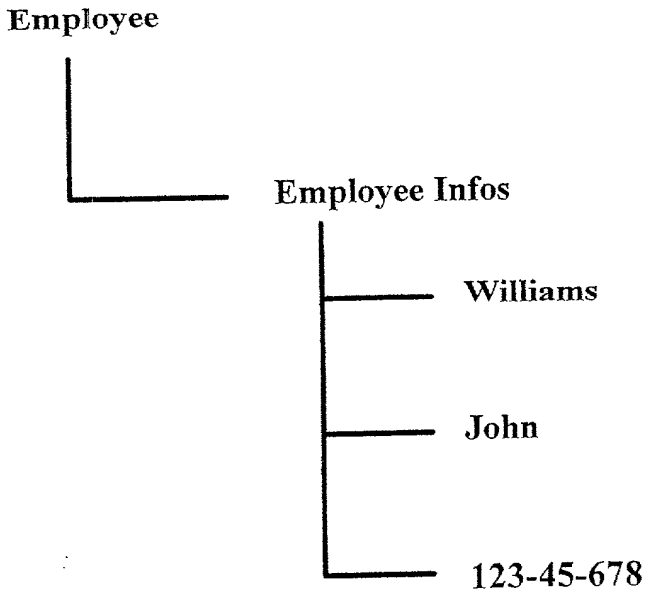

Fig. 18

Patent Pending

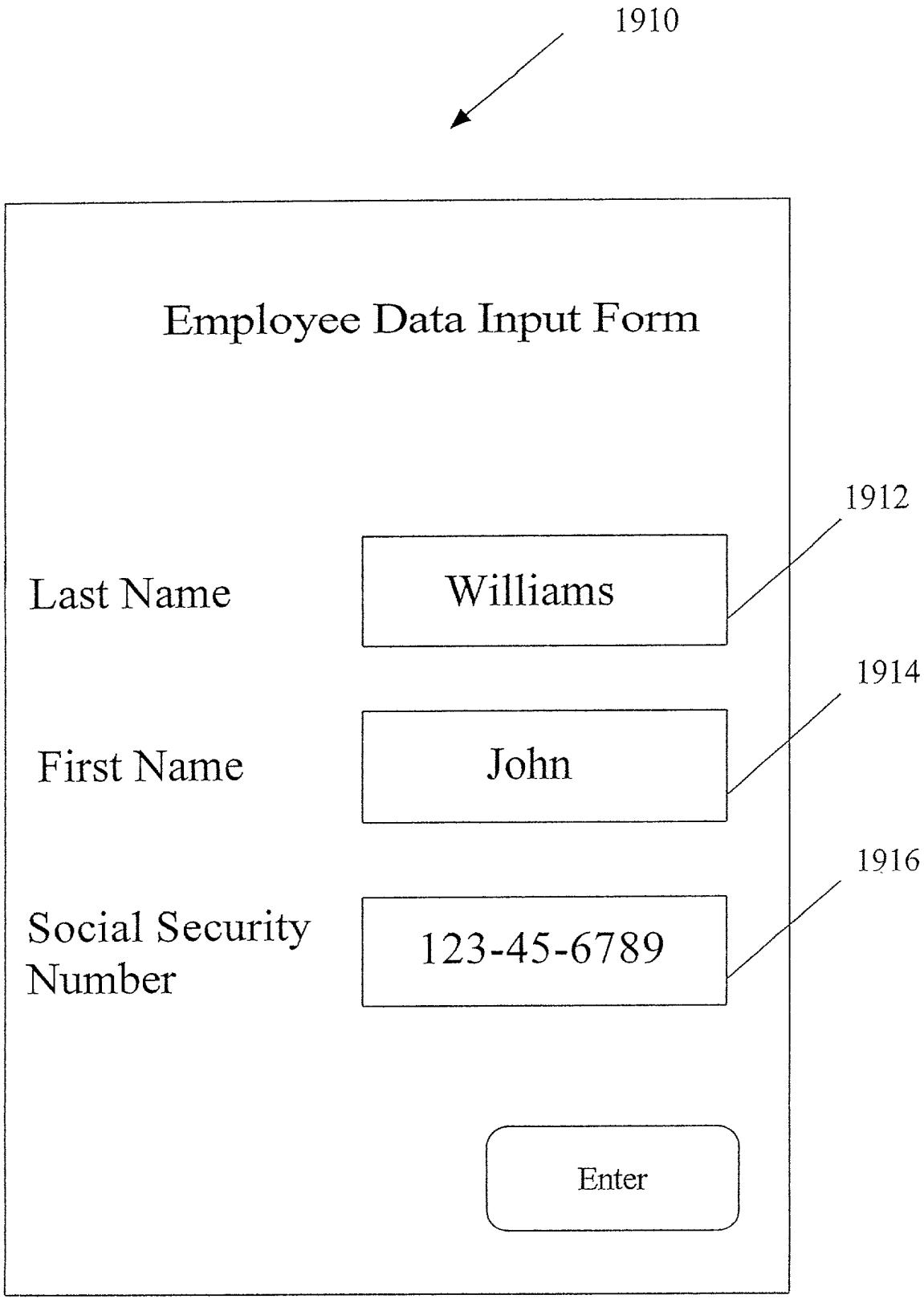
1910
Employee Data Input Form
1912
Last Name
Williams
1914
First Name
John
1916
Social Security Number
123-45-6789
Enter

Fig. 19

Protected - Sensitive

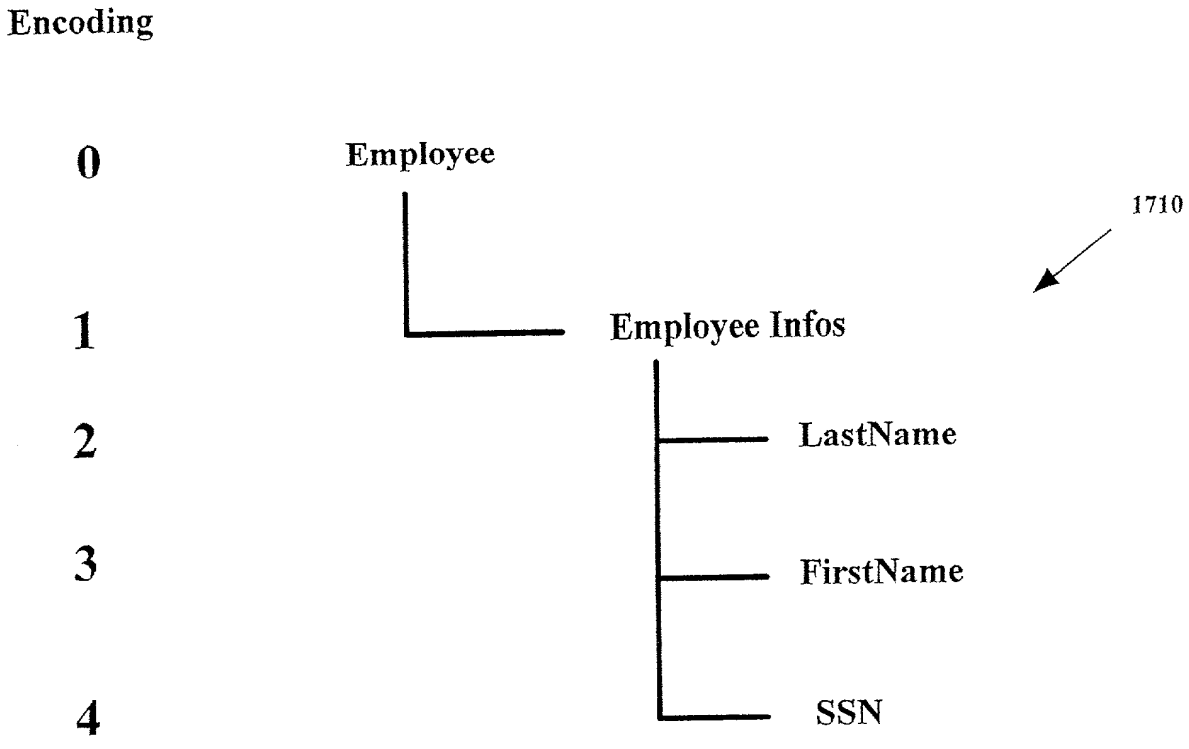

Fig. 20

LastName : <input name = "0-1-2">

FIG. 21A

FirstName : <input name = "0-1-3">

FIG. 21B

SSN : <input name = "0-1-4">

FIG. 21C

UDM name: editOrder
UDM type: custom

2210

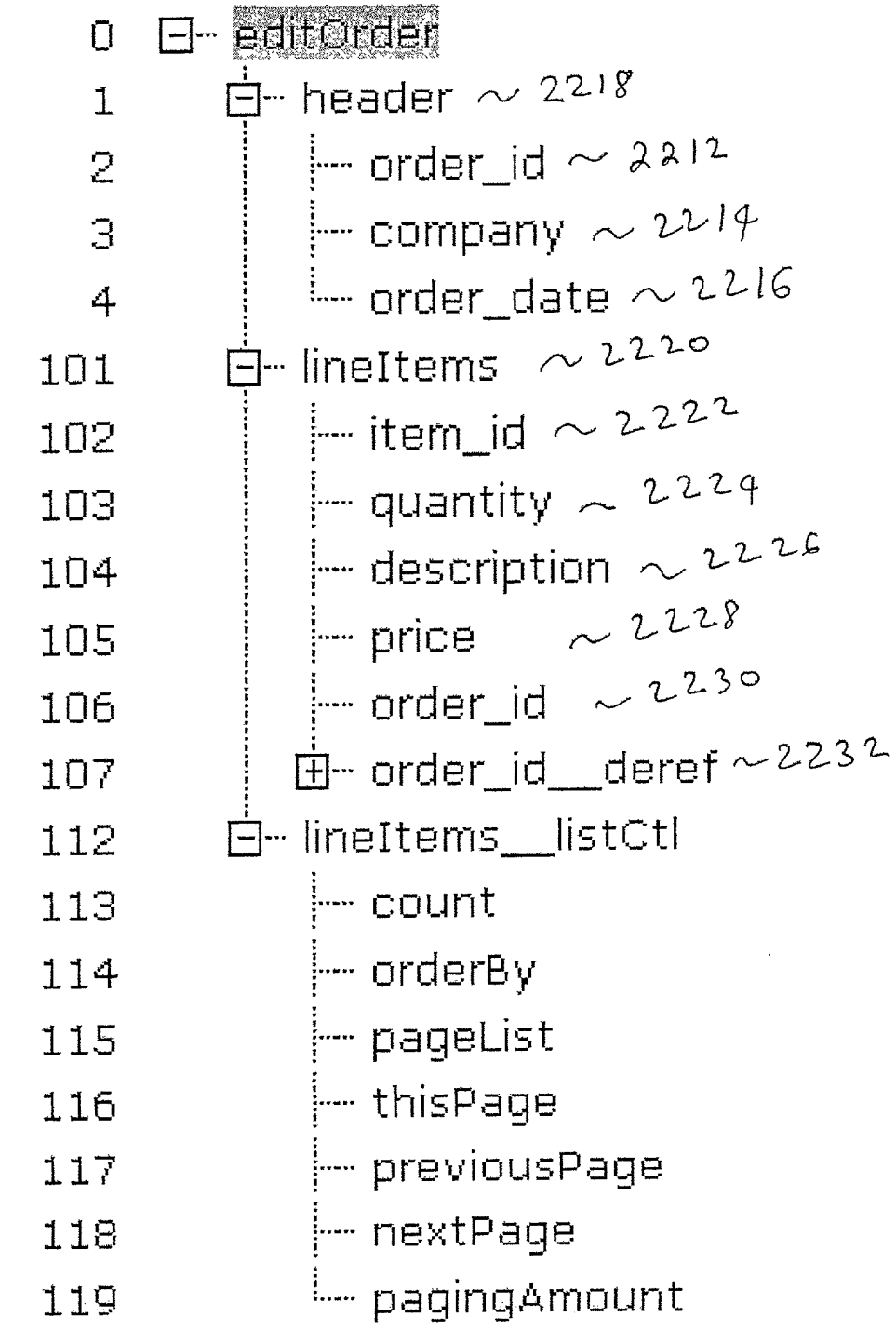

Fig. 22

Order

2310

Company: Acme Corp. ~ 2312

Order date: 10/13/2000 ~ 2314

3 items

Sort by Quantity Go

#	Quantity	Description	Price
1	4	Shoes	$4.99
2	6	Toothpaste	$6.99
3	7	Comb	$1.99

Update

Fig. 23

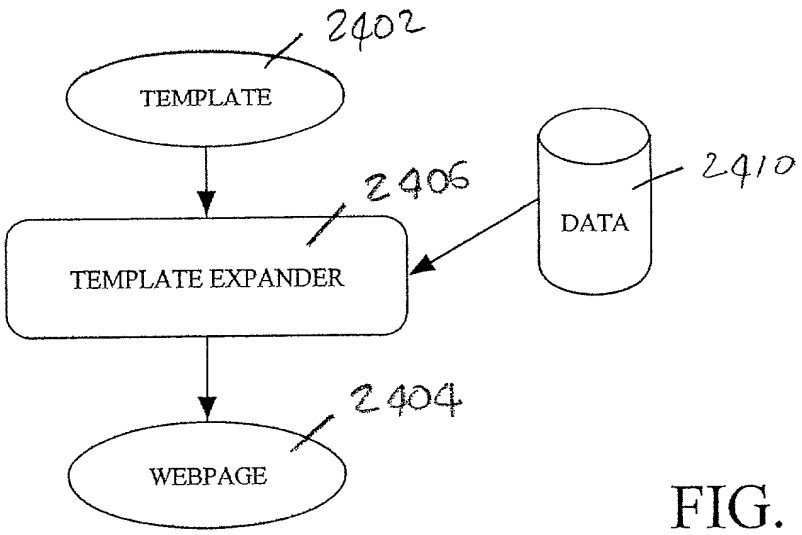
2402
TEMPLATE
2406
TEMPLATE EXPANDER
2410
DATA
2404
WEBPAGE

FIG. 24

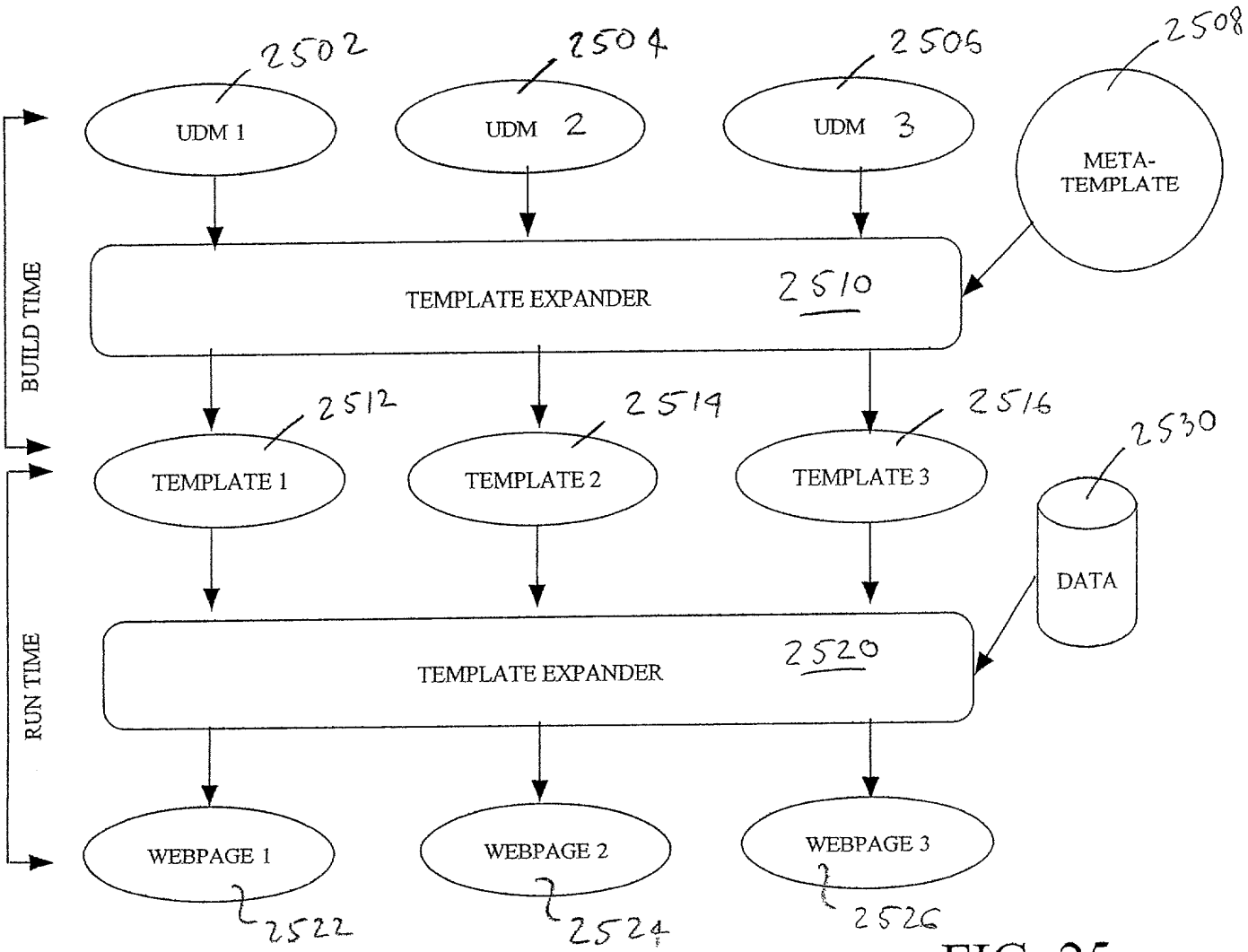
2502
UDM 1
2504
UDM 2
2506
UDM 3
2508
META-TEMPLATE
BUILD TIME
TEMPLATE EXPANDER
2510
2512
TEMPLATE 1
2514
TEMPLATE 2
2516
TEMPLATE 3
2530
DATA
RUN TIME
TEMPLATE EXPANDER
2520
WEBPAGE 1
2522
WEBPAGE 2
2524
WEBPAGE 3
2526

FIG. 25

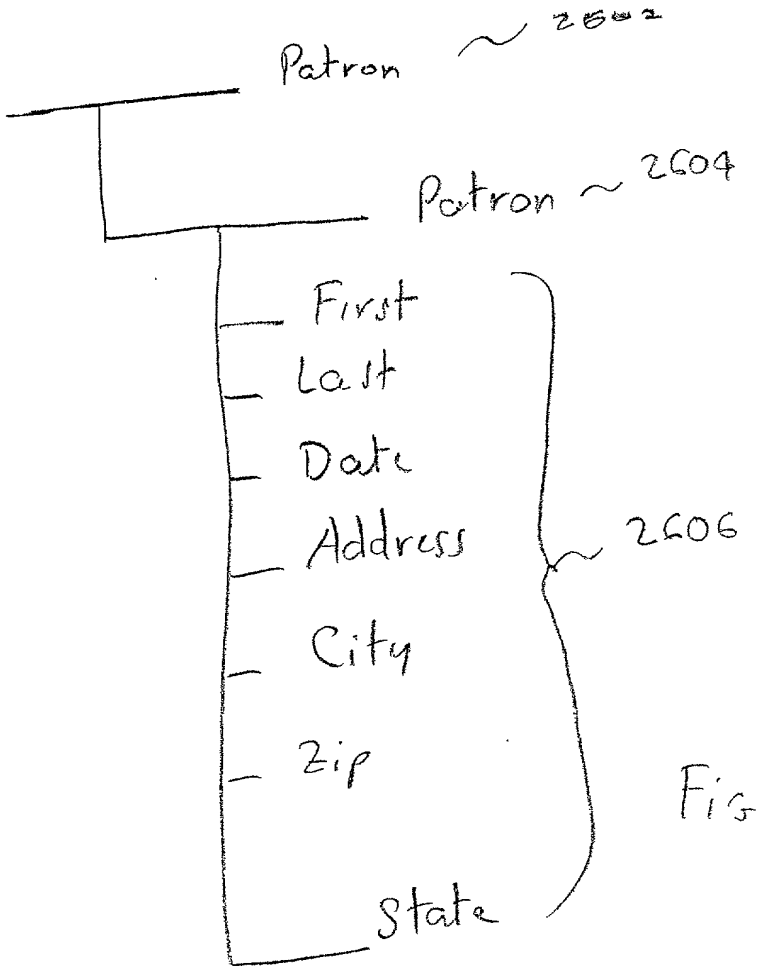

Fig. 26A

Attorney Docket No. 10578.0001

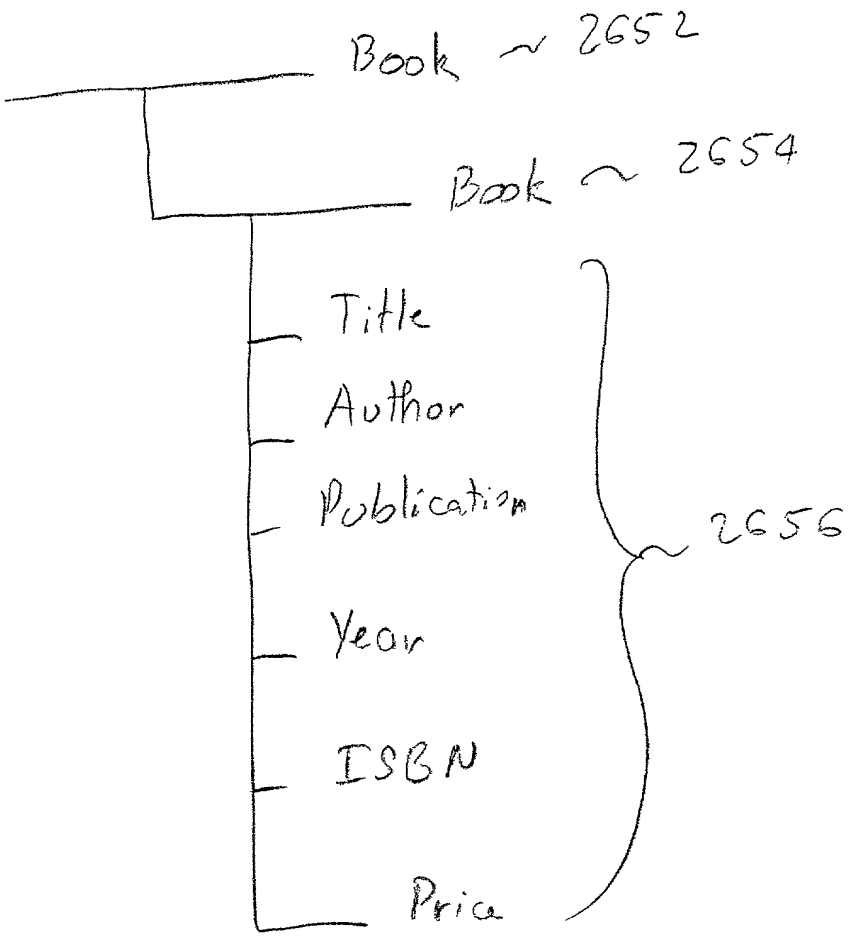
Book ~ 2652
Book ~ 2654
Title
Author
Publication
Year
ISBN
Price
2656

Fig. 26B

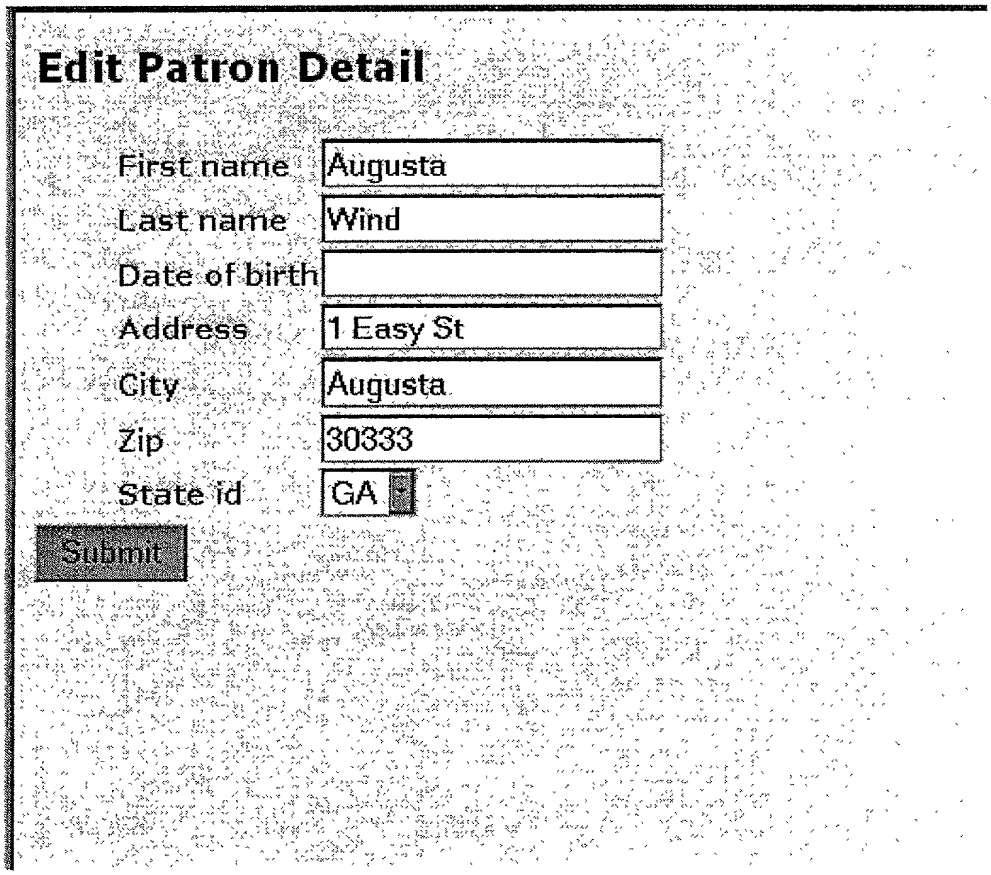
Edit Patron Detail
First name
Augusta
Last name
Wind
Date of birth
Address
1 Easy St
City
Augusta
Zip
30333
State id
GA
Submit

FIG. 27

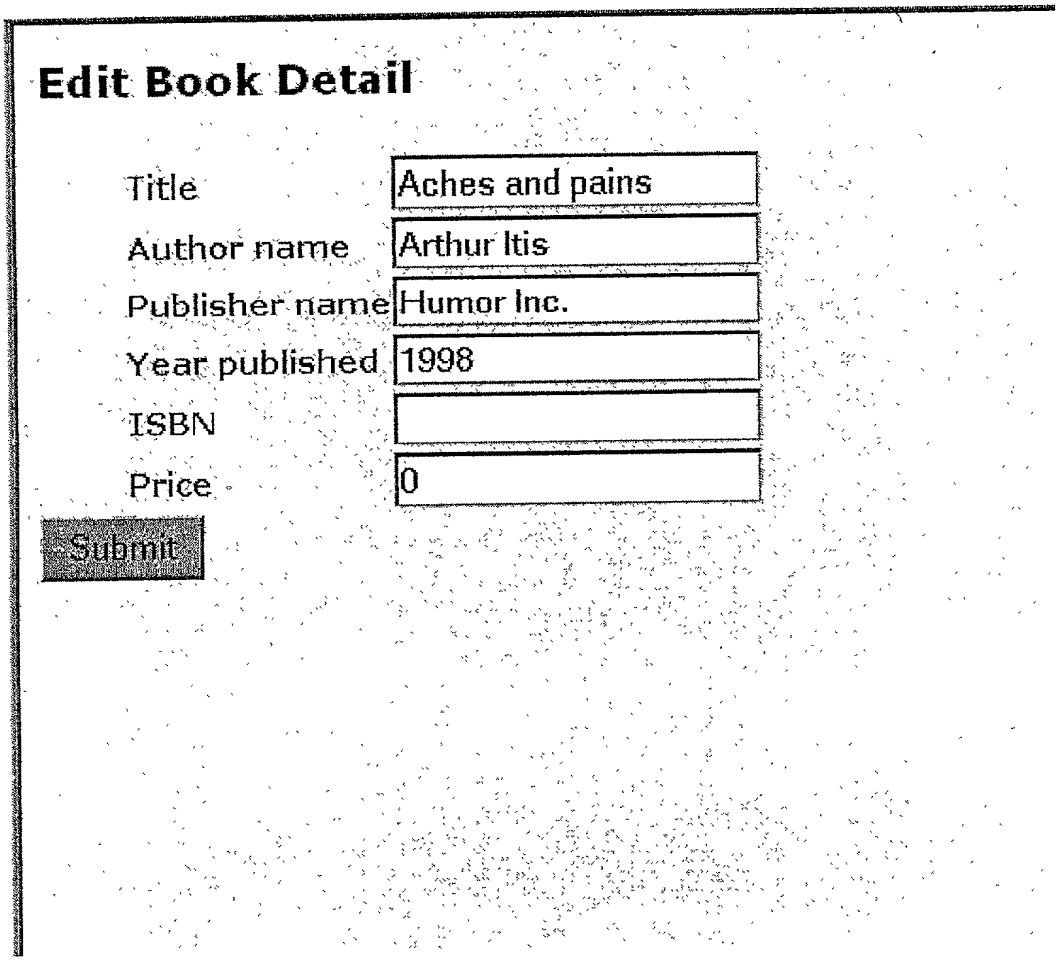
Edit Book Detail
Title
Aches and pains
Author name
Arthur Itis
Publisher name
Humor Inc.
Year published
1998
ISBN
Price
0
Submit

FIG. 28

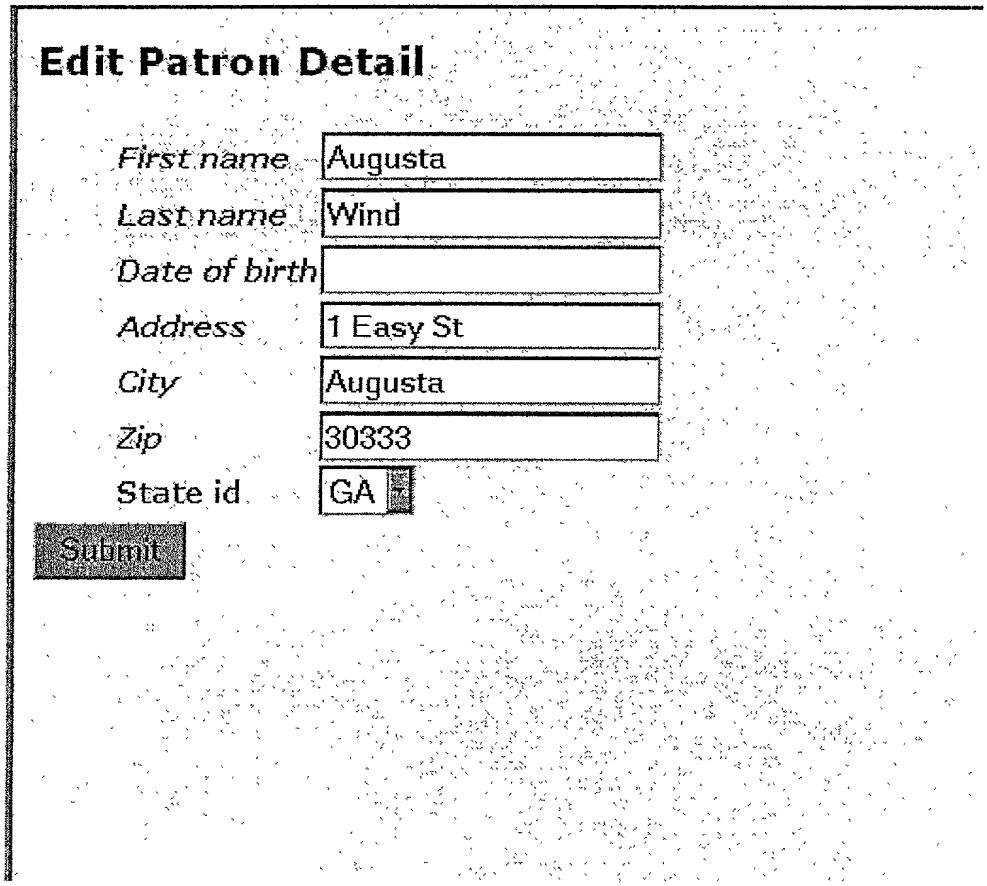
Edit Patron Detail
First name
Augusta
Last name
Wind
Date of birth
Address
1 Easy St
City
Augusta
Zip
30333
State id
GA
Submit

FIG. 29

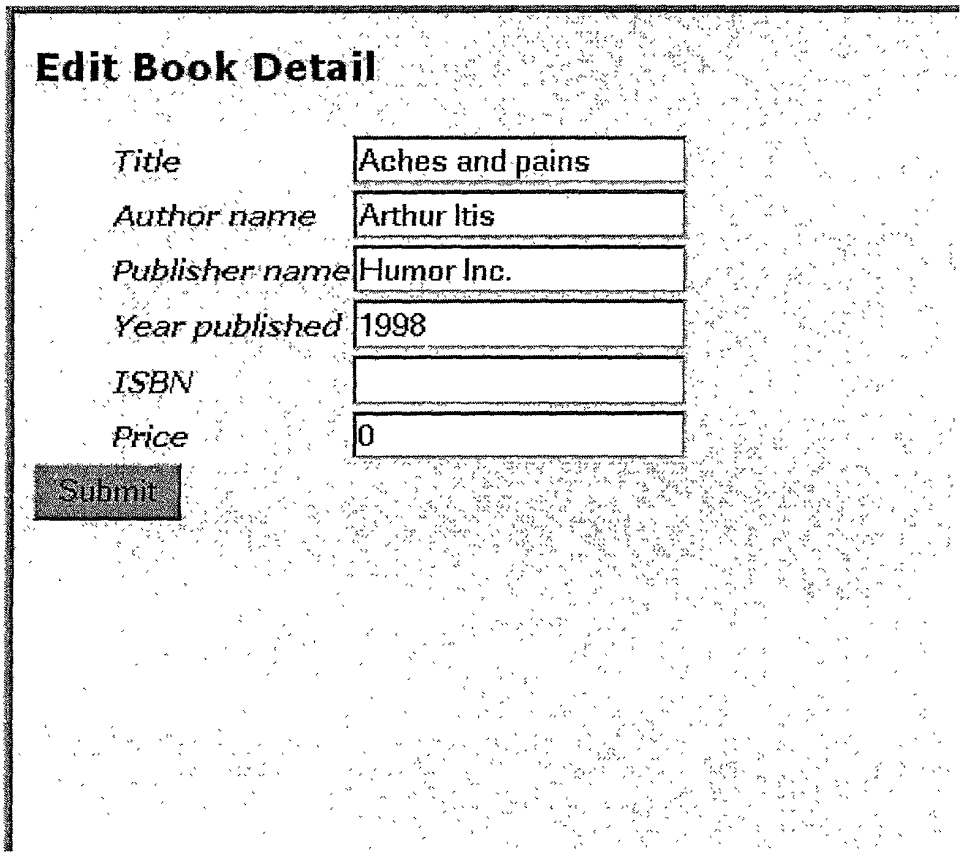
Edit Book Detail
Title
Aches and pains
Author name
Arthur Itis
Publisher name
Humor Inc.
Year published
1998
ISBN
Price
0
Submit

FIG. 30